

IN THE CLAIMS

Please cancel claims 2, 5-7, 9, 12-14, 18, 23, and 26-27.

Please amend the claims as follows.

1. (Currently Amended) An apparatus comprising:

at least one processor;

a memory coupled to the at least one processor; and

a database query processor residing in the memory and executed by the at least one processor, the database query processor processing a first query to generate a first result set by interrogating a database, and, ~~if a second query may be satisfied by the first result set, generating a second result set from the first result set~~ while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set without caching the first result set and without interrogating the database for the ~~second~~ at least one other query.

2. (Cancelled)

3. (Original) The apparatus of claim 1 wherein the database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new query at least one other result set for queries in the group corresponding to the new query.

4. (Currently Amended) An apparatus comprising:

at least one processor;

a memory coupled to the at least one processor; and

a database query processor residing in the memory and executed by the at least one processor, the database query processor processing a first query to generate a first result set by interrogating a database, and while processing the first query evaluating at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, the database query processor returning the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set.

5-7 (Cancelled)

8. (Currently Amended) A method for processing a plurality of database queries, the method comprising the steps of:

processing a first query by interrogating a database to generate a first result set;

~~receiving a second query; and~~

~~if the second query may be satisfied by the first result set, generating a second result set from the first result set~~ while processing the first query, evaluating at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set;

~~returning the first result set to the first query; and~~

~~using the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set~~ without caching the first result set and without interrogating the database.

9. (Cancelled)

10. (Original) The method of claim 8 further comprising the steps of:
 delaying processing a plurality of received queries;
 grouping compatible received queries together;
 generating a new query for each group that will produce a result set that will
satisfy all queries in the group;
 processing each new query; and
 generating from the result set of each new query at least one other result set for
queries in the group corresponding to the new query.

11. (Currently Amended) A method for processing a plurality of database queries, the
method comprising the steps of:
 processing a first query by interrogating a database to generate a first result set;
 while processing the first query, evaluating at least one other query that is
received during the processing of the first query to determine whether the at least one
other query is satisfied by the first result set;
 returning the first result set to the first query; and
 using the first result set to generate at least one other result set for any of the at
least one other query that is satisfied by the first result set.

12-14 (Cancelled)

15. (Currently Amended) A computer-readable program product comprising:

(A) a database query processor that processes a first query to generate a first result set by interrogating a database, and, ~~if a second query may be satisfied by the first result set, the database query processor generates a second result set from the first result set~~ while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set without caching the first result set and without interrogating the database for the ~~second~~ at least one other query; and

(B) recordable media bearing the database query processor.

16-18 (Cancelled)

19. (Original) The program product of claim 15 wherein the database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new query at least one other result set for queries in the group corresponding to the new query.

20. (Currently Amended) A computer-readable program product comprising:

(A) a database query processor that processes a first query by interrogating a database to generate a first result set, and while processing the first query, the database query processor evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, the database query processor returning the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set; and

(B) recordable media bearing the database query processor.

21-27 (Cancelled)